

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number
WO 2005/083391 A1

(51) International Patent Classification⁷: G01N 33/497, C12Q 1/24, G01N 1/22

(21) International Application Number:
PCT/DK2005/000133

(22) International Filing Date: 25 February 2005 (25.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA 2004 00306 26 February 2004 (26.02.2004) DK

(71) Applicant (for all designated States except US): THOMSEN BIOSCIENCE A/S [DK/DK]; Strømmen 6, DK-9400 Nørresundby (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): JENSEN, Gert, Bolander [DK/DK]; Bmdrup Mosevej 12, DK-2400 Copenhagen NV (DK). THOMSEN, Lars [DK/DK]; Bygaden 33, DK-9000 Ålborg (DK). VELTMAN, Oene, Robert [NL/DK]; Sverigesgade 5, st. tv., DK-9000 Ålborg (DK).

(74) Agent: PLOUGMANN & VINGTOFT A/S; Sundkrogs-
gade 9, P.O. Box 831, DK-2100 Copenhagen Ø (DK).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AF, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

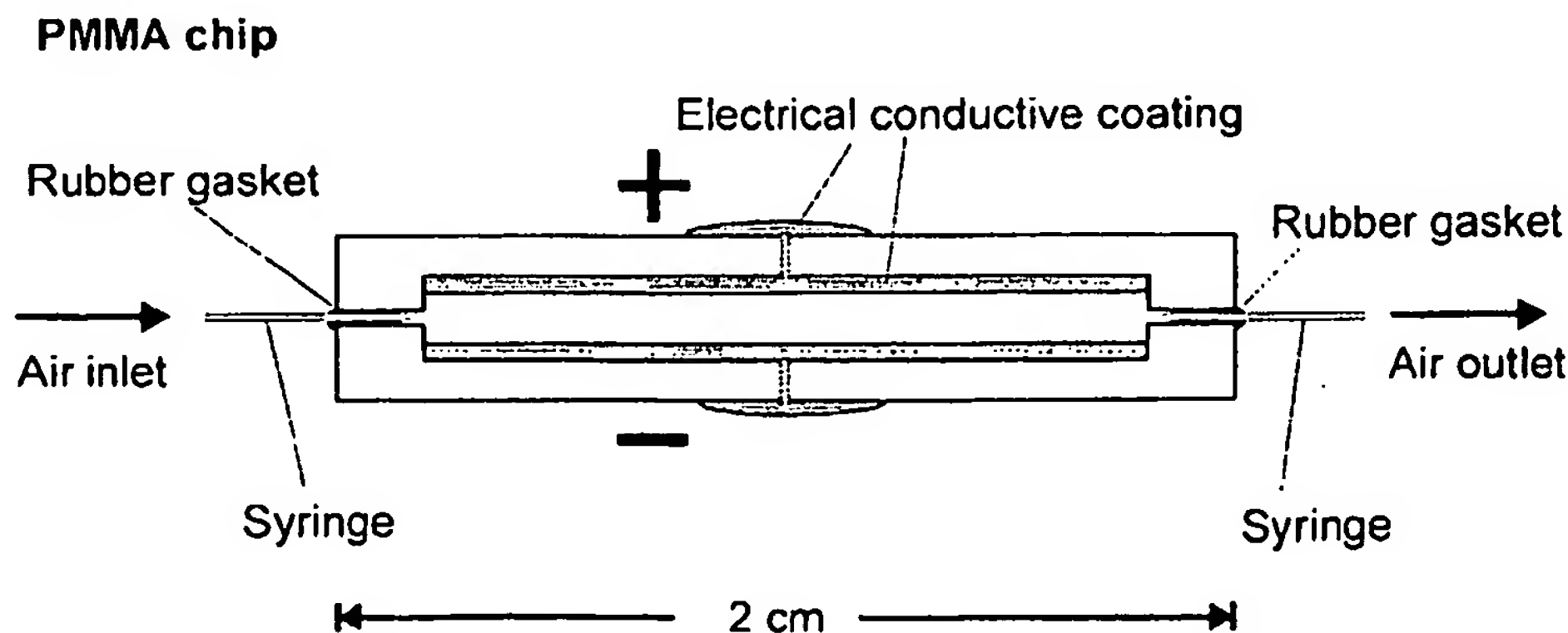
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: METHOD, CHIP, DEVICE AND SYSTEM FOR COLLECTION OF BIOLOGICAL PARTICLES



(57) Abstract: The present invention relates to a method, a chip, a device, and a system for collection of biological particles. The method makes use of electrostatic attraction of biological particles to charged electrodes and preferably operates with gaseous samples. The method, chip, device, and system are e.g. useful for collecting pathogenic particles, such as bacterial spores and vira, from air samples and allow for subsequent analysis of the collected biological particles.

WO 2005/083391 A1



(48) Date of publication of this corrected version:

13 October 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(15) Information about Correction:

see PCT Gazette No. 41/2005 of 13 October 2005, Section II